

Title (en)

Method of and apparatus for preparing oxide superconducting film.

Title (de)

Verfahren und Vorrichtung zur Herstellung von dünnen Schichten aus supraleitendem Oxyd.

Title (fr)

Procédé et dispositif pour la fabrication de couches minces d'oxyde supraconducteur.

Publication

**EP 0444698 A2 19910904 (EN)**

Application

**EP 91103103 A 19910301**

Priority

- JP 3040391 A 19910225
- JP 5252290 A 19900302
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- JP 5252490 A 19900302

Abstract (en)

In order to enable formation of a smooth and dense oxide superconducting film with no clear appearance of grain boundaries in a fine structure even at a high film forming rate, a laser ablation method is employed to apply a laser beam 2 to a target 1 containing components of an oxide superconductive material and deposit particles, which are thus scattered from the target 1, on a substrate 3, while gaseous oxygen is supplied from a gaseous oxygen inlet 7 toward laser plasma 6, which is generated by the application of the laser beam 2. <IMAGE>

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**H01L 39/24**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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